

What is claimed is:

1. A method of sharing data for a computer system having a first computer, a second computer, a plurality of memory units and a control unit for controlling the plurality of memory units, wherein a data storage subsystem for connection to the first and second computers is provided, the method comprising:

- forming a paired state in which contents of a first memory unit and a second memory unit are maintained the same as the first memory unit stores data used by the first computer;
- dissolving the paired state between the first memory unit and the second memory unit, and not allowing updating of the first memory unit to be reflected in the second memory unit;
- re-mapping a third memory unit used by the second computer, and the second memory unit with each other; and
- controlling any access by the second computer to the third memory unit to instead be made to the second memory unit.

2. A method of sharing data as in claim 1 further comprising, after the step of re-mapping, a step of forming a paired state of the first memory unit and the third memory unit.

3. A method of sharing data as in claim 1 wherein the data storage subsystem consists of a first data storage system having the first memory unit, and connected to the first computer, and a second data storage subsystem having the second memory unit and the third memory unit, and connected to the second computer, and wherein the first computer and the first data storage subsystem are geographically separated from the second data storage subsystem.

4. A method of sharing data as in claim 2 wherein the data storage subsystem consists of a first data storage system having the first memory unit, and connected to the first computer, and a second data storage subsystem having the second memory unit and the third memory unit, and connected to the second computer, and wherein the first computer and the first data storage subsystem are geographically separated from the second data storage subsystem.

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1 14. A computer system, comprising:
2 a first computer;
3 a second computer; and
4 a data storage subsystem connected to the first and the second computer,
5 the data storage subsystem including:
6 at least three memory units,
7 a control unit for writing data written from the first computer to a first
8 memory unit into a second memory unit in duplication and for replacing the second

